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U.S. PATENT DOCUMENTS			

Examiner Initials*	Document Number Cite No. Number-Kind Code 2(if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Docum
001	US33363250	01-09-1968	Irving Jacobson.
002	US4000467	12-28-1976	Lentz et al.
003	US4001691	01-04-1977	Gruenberg et al.
004	US4061970	12-06-1977	Magneron et al.
005	US4081752	03-28-1978	Sumi et al.
006	US4124825	11-07-1978	Webb et al.
007	US4204016	05-20-1980	Chavannes et al.
008	US4334323	06-08-1982	Moore et al.
009	US4368541	01-11-1983	Evans et al.
010	US4509206	04-02-1985	Carpe et al.
011	US4701935	10-20-1987	Namiki et al.
012	US4723302	02-02-1988	Fulmer et al.
013	US4783843	11-08-1988	Leff et al.
014	US4820568	04-11-1989	Harpell et al.
015	US4922259	05-01-1990	Hall et al.
016	US5023930	06-11-1991	Leslie et al.
017	US5214788	05-25-1993	Delapeniere et al.
018	US5220562	06-15-1993	Takada et al.
019	US5280480	01-18-1994	Pitt et al.
020	US5341364	08-23-1994	Marna et al.
021	US5349463	09-20-1994	Hirohashi et al.

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U.S. PATENT DOCUMENTS				
Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
022	US5371734	12-06-1994	Fischer et al.	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
023	US5408197	04-18-1995	Miyake et al.	
024	US5408618	04-18-1995	Aho et al.	
025	US5430726	07-04-1995	Moonwood et al.	
026	US5465251	11-07-1995	Judd et al.	
027	US5471642	11-28-1995	Palmer et al.	
028	US5485486	01-16-1996	Gilhousen; Klein S. et al.	
029	US5509028	04-16-1996	Marque-Pucheu et al.	
030	US5515376	05-07-1996	Murphy et al.	
031	US5608755	03-04-1997	Raklo et al.	
032	US5610916	03-11-1997	Kostreski et al.	
033	US5654979	08-05-1997	Levin; Jeffrey A. et al.	
034	US5659879	08-19-1997	Dupuy et al.	
035	US5678177	10-14-1997	Beasley et al.	
036	US5678198	10-14-1997	Lemson et al.	
037	US5684801	11-04-1997	Amitay et al.	
038	US5697052	12-09-1997	Treatch et al.	
039	US5726980	03-10-1998	Rickard et al.	
040	US5732334	03-24-1998	Miyake et al.	
041	US5745846	04-28-1998	Myer et al.	
042	US5754540	05-19-1998	Liu et al.	

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Attorney Docket No: 080591			
U.S. PATENT DOCUMENTS			
Examiner Initials*	Document Number Cite No. Number-Kind Code ^(if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
043	US5764636	06-09-1998	Edsall et al.
044	US5771174	06-23-1998	Spinner et al.
045	US5784683	07-21-1998	Sistanizadeh et al.
046	US5794145	08-11-1998	Milam et al.
047	US5815795	09-29-1998	Iwai et al.
048	US5852629	12-22-1998	Iwamatsu et al.
049	US5875179	02-23-1999	Tikalsky et al.
050	US5903553	05-11-1999	Sakamoto et al.
051	US5907794	05-25-1999	Lehnusito et al.
052	US5987304	11-16-1999	Latt et al.
053	US6005855	12-21-1999	Zehavi et al.
054	US6005884	12-21-1999	Cook et al.
055	US6014380	01-11-2000	Hendel et al.
056	US6032194	02-29-2000	Gai et al.
057	US6061548	05-09-2000	Reudink et al.
058	US6088570	07-11-2000	Komara et al.
059	US6101400	08-08-2000	Ogaz et al.
060	US6108364	08-22-2000	Weaver, Jr et al.
061	US6128512	10-03-2000	Trompeter et al.
062	US6128729	10-03-2000	Kimball et al.
063	US6163276	12-19-2000	Irving et al.

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Sheet	4	of	14	
				Attorney Docket No: 080591
U.S. PATENT DOCUMENTS				
Examiner Initials*	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
064	US6188694	02-13-2001	Fine et al.	
065	US6188719	02-13-2001	Callombey et al.	
066	US6195051	02-27-2001	McCoy et al.	
067	US6202114	03-13-2001	Dutt et al.	
068	US6215982	04-10-2001	Trompower et al.	
069	US6219739	04-17-2001	Dutt et al.	
070	US6222503	04-24-2001	Grietema et al.	
071	US6272351	08-07-2001	Langston et al.	
072	US6285863	09-04-2001	Zhang et al.	
073	US6298061	10-02-2001	Chin et al.	
074	US6304575	10-16-2001	Carroll et al.	
075	US6339694	01-15-2002	Komara et al.	
076	US6342777	01-29-2002	Takahashi et al.	
077	US6363068	03-26-2002	Kinoshita et al.	
078	US6370185	04-09-2002	Schnitz et al.	
079	US6370369	04-09-2002	Kraiem et al.	
080	US6377612	04-23-2002	Baker et al.	
081	US6385181	05-07-2002	Tsutsui et al.	
082	US6388995	05-14-2002	Gai et al.	
083	US6441781	08-27-2002	Rog et al.	
084	US6480481	11-12-2002	Park et al.	

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Sheet	5	of	14
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Application Number	10/551,895 <i>Complaint if Known</i>
Filing Date	2005-10-04
First Named Inventor	James A. Proctor JR.
Art Unit	2618
Examiner Name	MILORD, MARCEAU
Attorney Docket No: 080591	

U.S. PATENT DOCUMENTS

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085	US6501955	12-31-2002	Durrant et al.	
086	US6535732	03-18-2003	McIntosh et al.	
087	US6549567	04-15-2003	Fullerton et al.	
088	US6574198	06-03-2003	Petersson et al.	
089	US6628624	09-30-2003	Mahajan et al.	
090	US6671502	12-30-2003	Ogawa et al.	
091	US6684058	01-27-2004	Karacaoglu et al.	
092	US6718160	04-06-2004	Schnmutz et al.	
093	US6728541	04-27-2004	Ohkura et al.	
094	US6880103	08-24-2004	Safiga et al.	
095	US6880103	04-12-2005	Kim et al.	
096	US6906669	06-14-2005	Sabet et al.	
097	US6934555	08-23-2005	Silva et al.	
098	US6944139	09-13-2005	Campanella et al.	
099	US6957042	10-18-2005	Williams et al.	
100	US6983162	01-03-2006	Garani et al.	
101	US6985516	01-10-2006	Easton et al.	
102	US6990313	01-24-2006	Yarkosky et al.	
103	US7027418	04-11-2006	Gan et al.	
104	US7050442	05-23-2006	Proctor et al.	
105	US7088734	08-08-2006	Newberg et al.	

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106	US7120930	10-10-2006	Mauter et al.	
107	US7132988	11-07-2006	Yegin et al.	
108	US7133391	11-07-2006	Belcea et al.	
109	US7139527	11-21-2006	Tamaki et al.	
110	US7167526	01-23-2007	Liang et al.	
111	US7193975	03-20-2007	Tsutsumi et al.	
112	US7215964	05-08-2007	Miyake et al.	
113	US7233771	06-19-2007	Proctor, Jr. et al.	
114	US7248645	07-24-2007	Vialle et al.	
115	US7254132	08-07-2007	Takao et al.	
116	US7315573	01-01-2008	Lusky et al.	
117	US7319714	01-15-2008	Sakata et al.	
118	US7321787	01-22-2008	Kim et al.	
119	US7339926	03-04-2008	Stanwood et al.	
120	US7352696	04-01-2008	Stephens et al.	
121	US7409186	08-05-2008	Van Buren et al.	
122	US7430397	09-30-2008	Suda et al.	
123	US7450936	11-11-2008	Kim et al.	
124	US7486929	02-03-2009	Van Buren et al.	
125	US7577398	08-18-2009	Judd et al.	
126	US7590145	09-15-2009	Futch et al.	

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127	US7623826	11-24-2009	Pergal et al.	
128	US7676194	03-09-2010	Rappaport et al.	
129	US20070286110	12-13-2007	James A. JR. et al.	
130	US20010031646	10-18-2001	Williams, Terry L. et al.	
131	US20010054060	12-20-2001	Fillebrown, Lisa A et al.	
132	US20020018487	02-14-2002	Chen, Song et al.	
133	US20020045461	04-18-2002	Bongfeldt, David et al.	
134	US20020051031	05-23-2002	Sugar, Gary L et al.	
135	US20020089945	07-11-2002	Belcea, John M et al.	
136	US20020101843	08-01-2002	Sheng, Huang Chih et al.	
137	US20020102948	08-01-2002	Stanwood, Kenneth L et al.	
138	US20020109585	08-15-2002	Sanderson, Lelon Wayne et al.	
139	US20020115409	08-22-2002	Khayrallah, Ali S et al.	
140	US20020136268	09-26-2002	Gan, Hongbing et al.	
141	US20020141435	10-03-2002	Newberg, Donald G et al.	
142	US20020163902	11-07-2002	Takao, Toshiaki et al.	
143	US20020177401	11-28-2002	Judd, Mano D et al.	
144	US20030026363	02-06-2003	Stoter, Jan et al.	
145	US20030139175	07-24-2003	Kim, Jong-Hwan et al.	
146	US20030179734	09-25-2003	Tsutsumi, Takayuki et al.	
147	US20030185163	10-02-2003	Bertoni, James G et al.	

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148	US20030235170	12-25-2003	Trainin, Solomon B et al.	
149	US20030236069	12-25-2003	Sakata, Ren et al.	
150	US20040029537	02-12-2004	Puge, Michael Anthony et al.	
151	US20040038707	02-26-2004	Kim, Hyeong Seog et al.	
152	US20040047333	03-11-2004	Han, Sung-Chul et al.	
153	US20040047335	03-11-2004	Proctor, James Arthur JR et al.	
154	US20040131025	07-08-2004	Dohler, Mischa et al.	
155	US20040146013	07-29-2004	Song, Peter Chun Teck et al.	
156	US20040157551	08-12-2004	Gainey, Kenneth M et al.	
157	US20040166802	08-26-2004	McKay, David L. SR et al.	
158	US20040176050	09-09-2004	Steer, David et al.	
159	US20040218683	11-04-2004	Batra, Anuj et al.	
160	US20040229563	11-18-2004	Fittion, Michael Philip et al.	
161	US20040264511	12-30-2004	Futch, Richard J et al.	
162	US20050014464	01-20-2005	Larsson, Peter et al.	
163	US20050030891	02-10-2005	Stephens, Adrian P et al.	
164	US20050042999	02-24-2005	Rappaport, Theodore S et al.	
165	US20050130587	06-16-2005	Suda, Hirohito et al.	
166	US20050201315	09-15-2005	Lakkis, Ismail et al.	

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Sheet	9	of	14
Attorney Docket No.: 080591			
U.S. PATENT DOCUMENTS			
Examiner Initials*	Document Number Cite No. ¹ Number Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
167	US20050254442	11-17-2005	Proctor, James A. JR et al.
168	US20050256963	11-17-2005	Proctor Jr., James A et al.
169	US20060035643	02-16-2006	Vook et al.
170	US20060041680	02-23-2006	Proctor Jr et al.
171	US20060052066	03-09-2006	Cleveland et al.
172	US20060052099	03-09-2006	Parker et al.
173	US20060056352	03-16-2006	Proctor et al.
174	US20060063484	03-23-2006	Proctor et al.
175	US20060063485	03-23-2006	Gainey et al.
176	US20060098592	05-11-2006	Proctor Jr et al.
177	US20060183421	08-17-2006	Proctor et al.
178	US20060203757	09-14-2006	Young et al.
179	US20060262026	11-23-2006	Gainey et al.
180	US20070025349	02-01-2007	Bajic et al.
181	US20070025486	02-01-2007	Gainey et al.
182	US20070032192	02-08-2007	Gainey et al.
183	US20070121546	05-31-2007	Zuckerman et al.
184	US20080057862	03-06-2008	Smith et al.
185	US20080233942	09-25-2008	Kim et al.
186	US7187904	03-06-2007	Gainey, Kenneth M et al.

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Sheet	10	of	14		
Attorney Docket No: 080591					
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No.	Document Number Foreign Patent Document Number-Kind Code ^{2(a) known}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS					
Examiner	Cite No.	Foreign Patent Document Number-Kind Code ^{2(a) known}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
187	EP0523687A2	01-20-1993	FUJITSU LTD [JP]	SAGEM [FR]	E
188	EP0860953A1	08-26-1998	NOKIA	VICTOR COMPANY OF JAPAN et al.	E
189	GB2272599A	05-18-1994	TELECOMMUNICATIONS OY [FI]	ALCATEL MOBILE COMM FRANCE	E
190	JP8097762A	04-12-1996	INFUORABUKK	CADENCE DESIGN SYSTEMS INC [US]	E
191	JP9162903A	06-20-1997	VICTOR COMPANY OF JAPAN et al.	NORTEL NETWORKS CORP [CA] et al.	E
192	JP7079187A	03-20-1995	ALCATEL MOBILE COMM FRANCE	VIDEFI INC [US] et al.	E
193	WO0208857A2	01-31-2002	CADENCE DESIGN SYSTEMS INC [US]	VIDEFI INC [US] et al.	E
194	WO0217572A2	02-28-2002	NORTEL NETWORKS CORP [CA] et al.	VIDEFI INC [US] et al.	E
195	WO2004002014A1	12-31-2003	VIDEFI INC [US] et al.	VIDEFI INC [US] et al.	E
196	WO2004062305A1	07-22-2004	VIDEFI INC [US] et al.	VIDEFI INC [US] et al.	E

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Attorney Docket No.: D80591

		FOREIGN PATENT DOCUMENTS			
Examiner Initials*	Cite No.	Foreign Patent Document Country Code ³ , Number ⁴ , Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
199 and 201	197	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title and issue number(s), publisher, city and/or country where published. ANDRIANO, et al., "On the Spectral Efficiency of CPW Systems over Real Channel in the Presence of Adjacent Channel and CoChannel Interference: A Comparison between Partial and Full Response Systems," IEEE Transactions on Vehicular Technology, Vol. 39, No. 2, May 1990.			T
	198	Code of Federal Regulations, Title 47 Telecommunication, "Federal Communications Commission code part 15.407," Federal Communications Commission vol. 1, chapter I, part 15.407.			D
	199	Copy of First Office Action issued from the Chinese Patent Office in connection with corresponding Chinese application No. 200380101286.2.			D
	200	Draft Corrigendum to IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed Broadband Wireless Access Systems. IEEE P802.16-2004/Cor1/D5.			D
	201	Draft IEEE Standard for Local and Metropolitan Area Networks- Part 16: Air Interface for Fixed and Mobile Broadband Wireless Access Systems. Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands.			D
	202	First Report issued by IP Australia on July 31, 2007 in connection with the corresponding Australian application No. 2003239577.			D
	203	IEEE 802.16(e) Part 16: Air Interface for Fixed Broadband Wireless Access Systems, 2005, Sections 8.4, 10.2, 1, 8.4, 10.3, 2.			D
	204	IEEE Std 802.11-1999 (Reaff 2003), "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications," LAN MAN Standards Committee of the			D

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Sheet	12	of	14
Application Number	10/551,895 <i>Complete if Known</i>		
Filing Date	2005-10-04		
First Named Inventor	James A. Proctor JR.		
Art Unit	2618		
Examiner Name	MILORD, MARCEAU		
Attorney Docket No: 080591			

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title-issue-number(s), publisher, city and/or country where published.	
205	IEEE Computer Society; Paragraphs 7.2.3.1 and 7.2.3.9; Paragraph 7.3.2.4; Paragraphs 15.4.6.2 and 18.4.6.2.	IEEE Std 802.11b-1999, "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Higher-Speed Physical Layer Extension in the 2.4 GHz Band," IEEE-SA Standards Board, Supplement to ANSI/IEEE Std. 802.11, 1999 Edition, Approved September 16, 1999.	
206	IEEE Std 802.11g-2003, "Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Amendment 4: Further Higher Data Rate Extension in the 2.4 GHz Band," IEEE Computer Society. Published by The Institute of Electrical and Electronics Engineers, Inc., June 27, 2003.		
207	IEEE Std 802.16-2001; "Part 16: Air Interface for Fixed Broadband Wireless Access Systems," IEEE Computer Society and the IEEE Microwave Theory and Techniques Society, Published by The Institute of Electrical and Electronics Engineers, Inc., April 8, 2002.		
208	KU/LU, et al., "Performance Analysis of MAC Protocols for Wireless Control Area Network," 1996 IEEE, pp. 494-499.	International Search Report - PCT/US04/007708, International Search Authority - US, 10-18-04 (080591WO)	
209	Mexican Office communication dated July 2, 2007 issued from Mexican Patent Office for application PA/a/2004/011588 with partial translation thereof.	Notification of the First Office Action from Chinese Patent Office dates September 8, 2006 for the corresponding Chinese patent application No.: 200380105267.7.	
210	Office Action issued from the Mexican Patent Office dated February 22, 2008 in connection with the corresponding Mexican Patent Application No. PA/a/2004/011588.	Office communication dated January 12, 2007 issued from the European Patent Office for counterpart application No. 03734139.9-1246.	
211	Office communication dated October 19, 2006 issued from the Mexican Patent Office for counterpart application No. PA/a/2004/011588.		
213	Official communication issued from the European Patent Office dated August 7, 2007 for the corresponding European patent application No. 03759271.4-2412.		
214	Official communication issued from the European Patent Office dated December 19, 2006 for the corresponding European patent application No. 03759271.4-2412.		
215			
216			

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MATERIALS AND METHODS

Sheet 13 of 14 Attorney Docket No: 080591

Application Number	10/551,895
Filing Date	2005-10-04
First Named Inventor	James A. Proctor JR.
Art Unit	2618
Examiner Name	MILORD, MARCEAU

NON-PATIENT LITERATURE DOCUMENTS

Examiner Initials*	Cite of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), vol. issue number(s), publisher, city and/or country where published
217	Second Office Action issued from the Chinese Patent Office on July 20, 2007 in connection with corresponding Chinese application No. 200380101286.2.
218	Specifications for 2.3 GHz Band Portable Internet Service - Physical & Medium Access Control Layer, TTAS KO-06.0082/R1, December 2005.
219	Third Office Action issued from the Patent Office of People's Republic of China dated January 4, 2008 in corresponding Chinese Patent Application No. 200380101286.2.
220	Translation of Office Action issued by Chinese Patent Office on October 19, 2007 in connection with the corresponding Chinese application No. 03814391.7.
221	U.S. PTO Office Action mailed on April 17, 2007 for the corresponding parent patent application No. 11/339,838, now U.S. Patent No. 7,230,935.
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223	
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c. Applicant is to place a checkmark here if English language translation is attached. This collection of information is required by 37 CFR 1.87 and 1.98. The information is required to obtain or retain a benefit by the public (including the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to include gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND
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